

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	298	380/29.ccls. and @ad<"20010126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:21
L2	78	713/192.ccls. and @ad<"20010126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:38
L3	851	380/28.CCLS. AND @ad<"20010126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:21
L4	1129	(L1 or L2 or L3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:21
L5	537	DES and bit and ("XOR" or exclusive) and (key\$3 with dependent\$3) and encrypt\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:22
L6	261	L5 and (register and (circuit or IC or hardware or micro or microprocessor or chip or DMA or DSP or prom or eprom or card or smartcard) and wir\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:24
L7	13	L6 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:25
L8	85	L6 and @ad<"20010126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:25

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L9	45	("713"/\$.ccls. or "380"/\$.ccls.) and L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:37
L10	63	(DES with FPGA) and (single with chip)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:38
L11	17	L10 and @ad<"20010126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:45
L12	12	L11 and encrypt\$3 and key\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:42
L13	4364	(hardware or circuit or FPGA or micro or microprocessor or chip or IC or circuit or prom or eprom) with DES with (fast\$3 or highspeed or (high\$3 near3 speed\$3) or quick\$3 or rapid\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:44
L14	5007	(hardware or circuit or FPGA or micro or microprocessor or chip or IC or circuit or prom or eprom) with DES with (efficient\$3 or fast\$3 or highspeed or (high\$3 near3 speed\$3) or quick\$3 or rapid\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:45
L15	120	L14 and encrypt\$3 and key\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:45
L16	50	L15 and @ad<"20010126"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/18 14:46



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**IET CNF** IET Conference Proceeding  
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- ☐ **1. Encryption based security for ISDN communication: technique and application**  
 Fernandez, I.B.; Subbarao, W.V.;  
Southeastcon '94. 'Creative Technology Transfer - A Global Affair'. Proceedings of the 1994 IEEE  
 10-13 April 1994 Page(s):70 - 72  
 Digital Object Identifier 10.1109/SECON.1994.324268  
[AbstractPlus](#) | Full Text: [PDF\(288 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ **2. High performance DES encryption in Virtex™ FPGAs using JBits™**  
 Patterson, C.;  
Field-Programmable Custom Computing Machines, 2000 IEEE Symposium on  
 17-19 April 2000 Page(s):113 - 121  
 Digital Object Identifier 10.1109/FPGA.2000.903398  
[AbstractPlus](#) | Full Text: [PDF\(712 KB\)](#) IEEE CNF  
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- ☐ **3. A single-chip FPGA implementation of the data encryption standard (DES) algorithm**  
 Wong, K.; Wark, M.; Dawson, E.;  
Global Telecommunications Conference, 1998. GLOBECOM 98. The Bridge to Global Integration. IEEE  
 Volume 2, 8-12 Nov. 1998 Page(s):827 - 832 vol.2  
 Digital Object Identifier 10.1109/GLOCOM.1998.776849  
[AbstractPlus](#) | Full Text: [PDF\(304 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ **4. A flip-chip implementation of the Data Encryption Standard (DES)**  
 Schaffer, T.; Glaser, A.; Rao, S.; Franzon, P.;  
Multi-Chip Module Conference, 1997. MCMC '97., 1997 IEEE  
 4-5 Feb. 1997 Page(s):13 - 17  
 Digital Object Identifier 10.1109/MCMC.1997.569339  
[AbstractPlus](#) | Full Text: [PDF\(396 KB\)](#) IEEE CNF  
[Rights and Permissions](#)
- ☐ **5. A high level language implementation of the data encryption standard and a bit-slice architecture**  
 Sixel, R.G.; Monteiro, R.S.; Anido, M.L.;  
Circuits and Systems, 2000. Proceedings of the 43rd IEEE Midwest Symposium on  
 Volume 1, 8-11 Aug. 2000 Page(s):266 - 269 vol.1  
 Digital Object Identifier 10.1109/MWSCAS.2000.951635  
[AbstractPlus](#) | Full Text: [PDF\(464 KB\)](#) IEEE CNF  
[Rights and Permissions](#)

- ☐ **6. Advanced VLSI validated input security device employing data and hardware validation features**  
Iliev, V.; Dlay, S.S.; McLauchlan, M.R.; Koelmans, A.M.; Kinniment, D.J.;  
Computers and Digital Techniques, IEE Proceedings-  
Volume 136, Issue 6, Nov 1989 Page(s):471 - 477  
[AbstractPlus](#) | Full Text: [PDF\(668 KB\)](#) IET JNL
- ☐ **7. Security Requirements and Protocols for a Broadcast Scenario**  
Kent, S.;  
Communications, IEEE Transactions on [legacy, pre - 1988]  
Volume 29, Issue 6, Jun 1981 Page(s):778 - 786  
[AbstractPlus](#) | Full Text: [PDF\(1168 KB\)](#) IEEE JNL  
[Rights and Permissions](#)
- ☐ **8. VLSI implementation of an OFB processor for encryption of real-time data**  
Young-Chul Kim; Kwang-Ok Kim; Tae-Won Lee;  
ASICs, 2000. AP-ASIC 2000. Proceedings of the Second IEEE Asia Pacific Conference on  
28-30 Aug. 2000 Page(s):179 - 182  
Digital Object Identifier 10.1109/APASIC.2000.896938  
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IEEE STD IEEE Standard

## » Key

- ☐ 1. **A very high reliability fast bipolar IC technology for use in undersea optical fiber links**  
 Fourrier, J.; Pestie, J.;  
[Lightwave Technology, Journal of](#)  
 Volume 2, Issue 6, Dec 1984 Page(s):901 - 909  
[AbstractPlus](#) | Full Text: [PDF\(2304 KB\)](#) IEEE JNL  
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- ☐ 2. **A Very High Reliability Fast Bipolar IC Technology for Use in Undersea Optical Fiber Links**  
 Fourrier, J.; Pestie, J.;  
[Selected Areas in Communications, IEEE Journal on](#)  
 Volume 2, Issue 6, Nov 1984 Page(s):941 - 949  
[AbstractPlus](#) | Full Text: [PDF\(752 KB\)](#) IEEE JNL  
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- ☐ 3. **Advanced VLSI validated input security device employing data and hardware validation features**  
 Iliev, V.; Dlay, S.S.; McLauchlan, M.R.; Koelmans, A.M.; Kinniment, D.J.;  
[Computers and Digital Techniques, IEE Proceedings-](#)  
 Volume 136, Issue 6, Nov 1989 Page(s):471 - 477  
[AbstractPlus](#) | Full Text: [PDF\(668 KB\)](#) IET JNL
- ☐ 4. **All-optical switching and XOR-gating using cross-polarization modulation in a semiconductor optical amplifier**  
 Erasme, D.; Soto, H.; Guekos, G.;  
[Lasers and Electro-Optics Europe, 2000. Conference Digest. 2000 Conference on](#)  
 10-15 Sept 2000 Page(s):1 pp.  
 Digital Object Identifier 10.1109/CLEOE.2000.909772  
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 Patterson, C.;  
Field-Programmable Custom Computing Machines, 2000 IEEE Symposium on  
 17-19 April 2000 Page(s):113 - 121  
 Digital Object Identifier 10.1109/FPGA.2000.903398  
[AbstractPlus](#) | Full Text: [PDF\(712 KB\)](#) IEEE CNF  
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- ☐ 2. **A single-chip FPGA implementation of the data encryption standard (DES) algorithm**  
 Wong, K.; Wark, M.; Dawson, E.;  
Global Telecommunications Conference, 1998. GLOBECOM 98. The Bridge to Global  
Integration. IEEE  
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 Digital Object Identifier 10.1109/GLOCOM.1998.776849  
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